

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 442P106
INTERNATIONAL APPLICATION NO. PCT/JP2005/006271	INTERNATIONAL FILING DATE 31 March 2005	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/593993</b> PRIORITY DATE CLAIMED 31 March 2004
TITLE OF INVENTION NOVEL WATER-SOLUBLE FULLERENE PROCESS FOR PRODUCING THE SAME AND ACTIVE OXYGEN GENERATOR CONTAINING THE FULLERENE		
APPLICANT(S) FOR DO/EO/US Yasuhiko Tabata, Masatoshi Yamada and Akira Masuda		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

# IAP9 Rec'd PCT/PTO 22 SEP 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; margin-top: 10px;">10/593993</div>	INTERNATIONAL APPLICATION NO. PCT/JP2005/006271	ATTORNEY'S DOCKET NUMBER 442P106														
20. Other items or information: 1. Copy of the International Search Report 2. Copy of Form PCT/IB/304.																
The following fees have been submitted		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 60%;">CALCULATIONS</th> <th style="width: 40%;">PTO USE ONLY</th> </tr> </table>	CALCULATIONS	PTO USE ONLY												
CALCULATIONS	PTO USE ONLY															
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 300.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 300.00													
\$ 300.00																
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations.....\$200		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 200.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 200.00													
\$ 200.00																
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....\$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations.....\$500		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 400.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 400.00													
\$ 400.00																
<b>TOTAL OF 21, 22 and 23 =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">900.00</td> <td style="width: 40%;"></td> </tr> </table>	900.00													
900.00																
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"></td> <td style="width: 40%;"></td> </tr> </table>														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">Total Sheets</th> <th style="width: 20%;">Extra Sheets</th> <th style="width: 40%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width: 20%;">RATE</th> </tr> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td>x \$250</td> </tr> </table>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	- 100 =	/50 =		x \$250	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ -</td> <td style="width: 40%;"></td> </tr> </table>		\$ -					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE													
- 100 =	/50 =		x \$250													
\$ -																
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 130.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 130.00													
\$ 130.00																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 20%;">RATE</th> </tr> <tr> <td>Total claims</td> <td>24 - 20 =</td> <td>4</td> <td>x \$ 50</td> </tr> <tr> <td>Independent claims</td> <td>2 - 3 =</td> <td>0</td> <td>x \$200</td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	24 - 20 =	4	x \$ 50	Independent claims	2 - 3 =	0	x \$200	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 200.00</td> <td style="width: 40%;"></td> </tr> </table>		\$ 200.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE													
Total claims	24 - 20 =	4	x \$ 50													
Independent claims	2 - 3 =	0	x \$200													
\$ 200.00																
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 360.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 360.00													
\$ 360.00																
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 1,590.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 1,590.00													
\$ 1,590.00																
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">-</td> <td style="width: 40%;"></td> </tr> </table>	-													
-																
<b>SUBTOTAL =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 1,590.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 1,590.00													
\$ 1,590.00																
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). +		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ -</td> <td style="width: 40%;"></td> </tr> </table>	\$ -													
\$ -																
<b>TOTAL NATIONAL FEE =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 1,590.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 1,590.00													
\$ 1,590.00																
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ -</td> <td style="width: 40%;"></td> </tr> </table>	\$ -													
\$ -																
<b>TOTAL FEES ENCLOSED =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 1,590.00</td> <td style="width: 40%;"></td> </tr> </table>	\$ 1,590.00													
\$ 1,590.00																
Amount to be refunded:		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"></td> <td style="width: 40%;">\$</td> </tr> </table>		\$												
	\$															
Amount to be charged		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"></td> <td style="width: 40%;">\$</td> </tr> </table>		\$												
	\$															

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☒ A check in the amount of \$ 1,590.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0930. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO: CUSTOMER NO: 42754

Nields & Lemack  
176 E. Main Street - Suite 7  
Westboro, MA 01581

  
SIGNATURE

Kevin S. Lemack

NAME

32,579

REGISTRATION NUMBER

10/593993

IAP9 Rec'd PCT/PTO 22 SEP 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

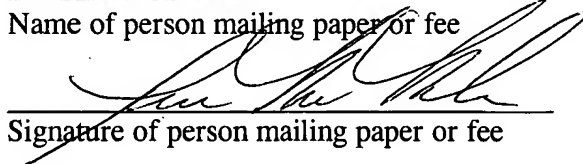
Applicants : Yasuhiko Tabata et al.  
Serial No. : Not yet assigned (PCT/JP2005/006271)  
Filed : Herewith by Express Mail (31 March 2005)  
For : NOVEL WATER-SOLUBLE FULLERENE, PROCESS FOR  
PRODUCING THE SAME AND ACTIVE OXYGEN  
GENERATOR CONTAINING THE FULLERENE  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 442P106  
Type of paper : **Filing Fee**

"EXPRESS MAIL" MAILING LABEL NO EQ 316343474 US  
DATE OF DEPOSIT: September 22, 2006

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: PCT**, Alexandria, VA 22313-1450.

**Ann Marie Mahan**

Name of person mailing paper or fee

  
Signature of person mailing paper or fee

10/593993  
IAP9 Rec'd PCT/PTO 22 SEP 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

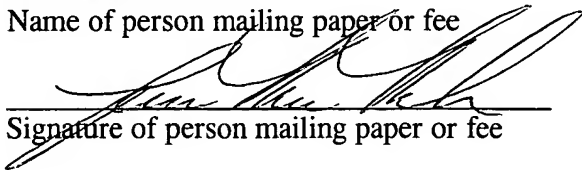
Applicants : Yasuhiko Tabata et al.  
Serial No. : Not yet assigned (PCT/JP2005/006271)  
Filed : Herewith by Express Mail (31 March 2005)  
For : NOVEL WATER-SOLUBLE FULLERENE, PROCESS FOR  
PRODUCING THE SAME AND ACTIVE OXYGEN  
GENERATOR CONTAINING THE FULLERENE  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 442P106  
Type of paper : **Letter**

"EXPRESS MAIL" MAILING LABEL NO EQ 316343474 US  
DATE OF DEPOSIT: September 22, 2006

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: PCT**, Alexandria, VA 22313-1450.

**Ann Marie Mahan**

Name of person mailing paper or fee

  
Signature of person mailing paper or fee

10/593993  
IAP9 Rec'd PCT/PTO 22 SEP 2006

Attorney Docket No. 442P106

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Yasuhiko Tabata, Masatoshi Yamada and Akira Masuda**

For: **NOVEL WATER-SOLUBLE FULLERENE, PROCESS FOR PRODUCING THE SAME AND ACTIVE OXYGEN GENERATOR CONTAINING THE FULLERENE**

Commissioner for Patents  
P.O. Box 1450  
Mail Stop: PCT  
Alexandria, VA 22313-1450


Sir: **LETTER**

The above-identified applicants enclose for filing the national phase of a PCT patent application (PCT/JP2005/006271) entitled "NOVEL WATER-SOLUBLE FULLERENE, PROCESS FOR PRODUCING THE SAME AND ACTIVE OXYGEN GENERATOR CONTAINING THE FULLERENE". Said attached PCT patent application includes (1) Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (3-Pages); (2) Translation of the International Application into English: 44-Page Specification (including 4-Pages of Claims (23) and 1-Page Abstract) and 4-sheets of A4 size drawings; (3) Check in the amount of \$1590.00 in payment of the Filing Fee; (4) Copy of the International Search Report (3-Pages); and (5) Copy of the Notification Concerning Submission of Priority Documents (Form PCT/IB/304)(1-Page).

All correspondence concerning this application should be mailed to: **CUSTOMER NO: 42754**

**Kevin S. Lemack  
Nields & Lemack  
176 E. Main Street - Suite 7  
Westboro, Massachusetts 01581**

Respectfully submitted,

  
Kevin S. Lemack  
Attorney for Applicant  
Registration No. 32,579

Date: September 22, 2006

**EXPRESS MAIL NO: EQ 316343474 US**

10/593993

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Yasuhiko Tabata et al.

Serial No. : Not yet assigned (PCT/JP2005/006271)

Filed : Herewith by Express Mail (31 March 2005)

For : NOVEL WATER-SOLUBLE FULLERENE, PROCESS FOR  
PRODUCING THE SAME AND ACTIVE OXYGEN  
GENERATOR CONTAINING THE FULLERENE

Examiner : Not yet assigned

Art Unit : Not yet assigned

Attorney  
Docket No. : 442P106

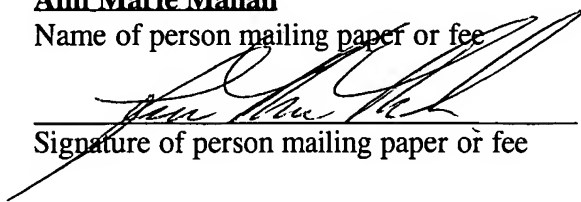
Type of paper : **Transmittal Letter to the United States Designated/Elected Office  
(DO/EO/US) Concerning a Filing Under 35 U.S.C. 371**

"EXPRESS MAIL" MAILING LABEL NO EQ 316343474 US  
DATE OF DEPOSIT: September 22, 2006

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: PCT**, Alexandria, VA 22313-1450.

**Ann Marie Mahan**

Name of person mailing paper or fee

  
Signature of person mailing paper or fee

10/593993  
IAP9 Rec'd PCT/PTO 22 SEP 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

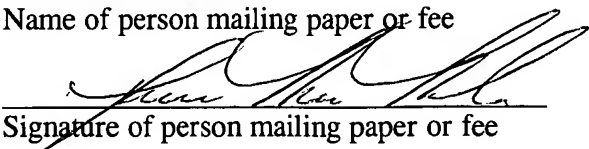
Applicants : Yasuhiko Tabata et al.  
Serial No. : Not yet assigned (PCT/JP2005/006271)  
Filed : Herewith by Express Mail (31 March 2005)  
For : NOVEL WATER-SOLUBLE FULLERENE, PROCESS FOR  
PRODUCING THE SAME AND ACTIVE OXYGEN  
GENERATOR CONTAINING THE FULLERENE  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 442P106  
Type of paper : **Translation of the International Application into English**

"EXPRESS MAIL" MAILING LABEL NO EQ 316343474 US  
DATE OF DEPOSIT: September 22, 2006

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: PCT**, Alexandria, VA 22313-1450.

**Ann Marie Mahan**

Name of person mailing paper or fee

  
Signature of person mailing paper or fee



10/593993  
IAP9 Rec'd PCT/PTO 22 SEP 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

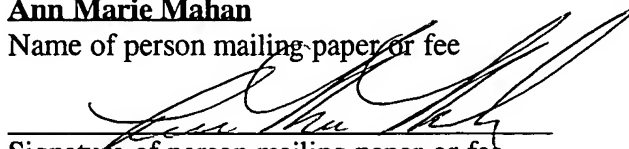
Applicants : Yasuhiko Tabata et al.  
Serial No. : Not yet assigned (PCT/JP2005/006271)  
Filed : Herewith by Express Mail (31 March 2005)  
For : NOVEL WATER-SOLUBLE FULLERENE, PROCESS FOR  
PRODUCING THE SAME AND ACTIVE OXYGEN  
GENERATOR CONTAINING THE FULLERENE  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 442P106  
Type of paper : **Copy of the Notification Concerning Submission of Priority  
Documents (Form PCT/IB/304)**

"EXPRESS MAIL" MAILING LABEL NO EQ 316343474 US  
DATE OF DEPOSIT: September 22, 2006

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: PCT**, Alexandria, VA 22313-1450.

**Ann Marie Mahan**

Name of person mailing paper or fee

  
Signature of person mailing paper or fee

10/593993

IAP9 Rec'd PCT/PTO 22 SEP 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

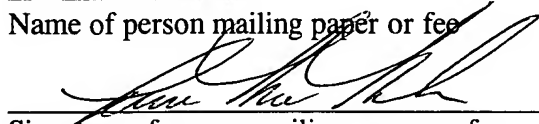
Applicants : Yasuhiko Tabata et al.  
Serial No. : Not yet assigned (PCT/JP2005/006271)  
Filed : Herewith by Express Mail (31 March 2005)  
For : NOVEL WATER-SOLUBLE FULLERENE, PROCESS FOR  
PRODUCING THE SAME AND ACTIVE OXYGEN  
GENERATOR CONTAINING THE FULLERENE  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 442P106  
Type of paper : **Copy of the International Search Report**

"EXPRESS MAIL" MAILING LABEL NO EQ 316343474 US  
DATE OF DEPOSIT: September 22, 2006

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: PCT**, Alexandria, VA 22313-1450.

**Ann Marie Mahan**

Name of person mailing paper or fee

  
Signature of person mailing paper or fee